



INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

Form PTO-1449 (Modified)
(Use several sheets if necessary)

Sheet 1 of 4 Attorney Docket No S4269.8002.US01

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Application Number

09/781,046

Confirmation Number

9275

Filing Date

February 8, 2001

First Named Inventor

Kangseng Wang

Group Art Unit

1632

Examiner Name

Thaian N. Ton

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		NUMBER	Kind Code (if known)			
TNT	AA	US 2002/0004240	A1	Wang	1/10/02	
TNT	AB	5,428,132		Hirsch et al.	6/27/95	
TNT	AC	5,521,291		Curiel et al.	5/28/96	

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		Office	NUMBER	Kind Code (if known)				
TNT	AD	WO	01/73094	A2	BIOAGRI CORPORATION	10/4/01	/ /	
TNT	AE	WO	00/29602		Cedars-Sinai Medical Center	5/25/00	...	
TNT	AF	WO	00/08924		Perry et al.	2/24/00	/	
TNT	AG	EP	0 846 772	A1	HOECHST AKTIENGESELLSCHAFT	10/6/98	/	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
TNT	AH	International Search Report for PCT International Application No. PCT/US02/02895, dated 10/7/03, 7 pages.	/
TNT	AI	International Search Report for PCT International Application No. PCT/US02/40492, dated 6/5/03, 4 pages.	/
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TNT	AK	Anwer, Khursheed et al., "Targeted Gene Delivery: A Two-Pronged Approach", <u>Critical Reviews in Therapeutic Drug Carrier Systems</u> , 17(4), pp. 377-424 (2000)	/

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TNT	AL	Bookbinder, L.H. et al., "Tissue- and Species-Specific Express of sp56, a Mouse Sperm Fertilization Protein, <u>Science</u> , vol. 269, pp. 86-89 (1995)	
TNT	AM	Burks, D.J. et al., "Interaction of a Tyrosine Kinase from Human Sperm with the Zona Pellucida at Fertilization", <u>Science</u> , vol. 269, pp. 83-86 (1995)	
TNT	AN	Chang, Keejong et al., "Effective generation of transgenic pigs and mice by linker based sperm-mediated gene transfer", <u>BMC Biotechnology</u> 2002, 2:5, http://www.biomedcentral.com/1472-6750/2/5	
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TNT	AR	Gao, Zeren et al., "Species Diversity in the Structure of Zonadhesin, a Sperm-specific Membrane Protein Containing Multiple Cell Adhesion Molecule-like Domains", <u>The Journal of Biological Chemistry</u> , vol. 273, no. 6, pp. 3415-3421 (1998)	
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TNT	AY	Lacy, H. Marie et al., "Sperm protein 17 is expressed on normal and malignant lymphocytes and promotes heparan sulfate-mediated cell-cell adhesion", <u>Blood</u> , vol. 98, no. 7, pp. 2160-2165 (2001)	

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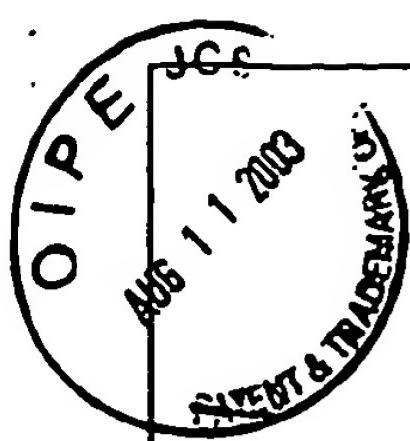
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TNT	BB	Morawatz, R., WRITTEN OPINION, issued on June 27, 2002 by PTO regarding International Application No. PCT/US01/07018, which claims the priority to U.S. Patent Appl. Serial No. 09/537,861, 9 pages.	
TNT	BC	Mori, Kazumasa et al., "Blocking of human fertilization by carbohydrates", <u>Human Reproduction</u> , vol 8, no. 10, pp. 1729-1732 (1993)	
Cited by Examiner	BD	Nakamura et al., "Identification and Characterization of a Sperm Peptide Antigen Recognized by a Monoclonal Antisperm Autoantibody Derived from a Vasectomized Mouse." <u>Biochemical and Biophysical Research Communications</u> . 205: 1503-1509, 1994.	
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